

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	(compactor and sink\$6). clm.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:32
L2	734	sinkage	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:32
L3	16	sinkage.clm.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:34
L4	9	(sinkage near7 compact\$6)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:35

## Miller, Takisha

---

**From:** PLUS  
**Sent:** Wednesday, June 01, 2005 3:39 PM  
**To:** Miller, Takisha  
**Subject:** PLUS Results for 10782299

Here are the PLUS search results for 10782299.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to [PLUS@uspto.gov](mailto:PLUS@uspto.gov).



10782299  
\_QUAL.txt



10782299  
\_LIST.txt



10782299  
\_WEST.txt



10782299  
\_EAST.txt



10782299.  
east



10782299  
\_CLS.txt



10782299 10782299  
LSTITLES.\_WDS.txt

PLUS Search Results for S/N 10782299, Searched June 01, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

6122601  
4284000  
4492156  
4554868  
4992219  
5217321  
5217322  
5243903  
5333969  
5397198  
5439313  
6000323  
6241420  
6749364  
6059932  
6059932  
4257848  
6122443  
6131383  
5016197  
3911807  
3899263  
3853053  
4273037  
4966499  
5341731  
5795097  
5823105  
6139218  
6237808  
6379082  
4314227  
4776962  
4902383  
5012857  
5217302  
5356238  
5401115  
5402667  
5483862  
5549967  
6013687  
4372726  
4557658  
5302102  
5575201  
5988541  
4273034  
4302923  
4348134

10782299\_QUAL.txt

6122601 86  
4284000 85  
4492156 85  
4554868 85  
4992219 85  
5217321 85  
5217322 85  
5243903 85  
5333969 85  
5397198 85  
5439313 85  
6000323 85  
6241420 85  
6749364 85  
6059932 75  
6059932 75  
4257848 75  
6122443 75  
6131383 75  
5016197 74  
3911807 74  
3899263 74  
3853053 74  
4273037 74  
4966499 74  
5341731 74  
5795097 74  
5823105 74  
6139218 74  
6237808 74  
6379082 74  
4314227 73  
4776962 73  
4902383 73  
5012857 73  
5217302 73  
5356238 73  
5401115 73  
5402667 73  
5483862 73  
5549967 73  
6013687 73  
4372726 73  
4557658 73  
5302102 73  
5575201 73  
5988541 73  
4273034 73  
4302923 73  
4348134 73

10782299\_WEST.txt

(6122601 4284000 4492156 4554868 4992219 5217321 5217322 5243903 5333969 5397198  
5439313 6000323 6241420 6749364 6059932 6059932 4257848 6122443 6131383 5016197  
3911807 3899263 3853053 4273037 4966499 5341731 5795097 5823105 6139218 6237808  
6379082 4314227 4776962 4902383 5012857 5217302 5356238 5401115 5402667 5483862  
5549967 6013687 4372726 4557658 5302102 5575201 5988541 4273034 4302923 4348134).pn.

10782299\_EAST.txt

(6122601  
4284000  
4492156  
4554868  
4992219  
5217321  
5217322  
5243903  
5333969  
5397198  
5439313  
6000323  
6241420  
6749364  
6059932  
6059932  
4257848  
6122443  
6131383  
5016197  
3911807  
3899263  
3853053  
4273037  
4966499  
5341731  
5795097  
5823105  
6139218  
6237808  
6379082  
4314227  
4776962  
4902383  
5012857  
5217302  
5356238  
5401115  
5402667  
5483862  
5549967  
6013687  
4372726  
4557658  
5302102  
5575201  
5988541  
4273034  
4302923  
4348134).pn.

10782299\_CLS.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10782299 on June 01, 2005

Original Classifications

3 404/121  
2 100/229A  
2 100/229R  
2 202/262  
2 404/133.1  
2 404/84.1  
2 414/517

Cross-Reference Classifications

5 100/229A  
4 100/295  
3 100/902  
3 404/124  
2 53/526  
2 100/125  
2 100/145  
2 100/193  
2 100/226  
2 100/255  
2 141/390  
2 172/554  
2 201/40  
2 202/117  
2 202/248  
2 202/270  
2 301/44.1  
2 404/101  
2 404/133.2  
2 414/512

Combined Classifications

7 100/229A  
4 100/295  
3 100/229R  
3 100/902  
3 404/121  
3 404/124  
3 414/517  
2 53/526  
2 100/125  
2 100/145  
2 100/193  
2 100/226  
2 100/255  
2 141/390  
2 172/554  
2 201/40  
2 202/117  
2 202/248  
2 202/262  
2 202/270  
2 301/44.1  
2 404/101  
2 404/113  
2 404/117  
2 404/133.1  
2 404/133.2  
2 404/75

10782299\_CLS.txt

.2 404/84.1  
2 414/512



10782299\_CLSTITLES.txt

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10782299 on June 01, 2005

7	100/229A	(2 OR, 5 XR)
	Class 100 :	PRESSES
	100/214	RECIPROCATING PRESS CONSTRUCTION
	100/229R	.With transversely displaceable box, receptacle, or stationary platen
	100/229A	..Compressing in separable container
4	100/295	(0 OR, 4 XR)
	Class 100 :	PRESSES
	100/295	PLATENS OR PRESSURE SURFACES
3	100/229R	(2 OR, 1 XR)
	Class 100 :	PRESSES
	100/214	RECIPROCATING PRESS CONSTRUCTION
	100/229R	.With transversely displaceable box, receptacle, or stationary platen
3	100/902	(0 OR, 3 XR)
	Class 100 :	PRESSES
	100/902	CAN CRUSHERS
3	404/121	(3 OR, 0 XR)
	Class 404 :	ROAD STRUCTURE, PROCESS, OR APPARATUS
	404/83	APPARATUS
	404/121	.Sheep foot roller
3	404/124	(0 OR, 3 XR)
	Class 404 :	ROAD STRUCTURE, PROCESS, OR APPARATUS
	404/83	APPARATUS
	404/122	.Rotating drum, roller or tire
	404/124	..Roller periphery characteristics
3	414/517	(2 OR, 1 XR)
	Class 414 :	MATERIAL OR ARTICLE HANDLING
	414/467	SELF-LOADING OR UNLOADING VEHICLES
	414/507	.Conveyor
	414/509	..Comprising load-engaging element reciprocally movable parallel to generally horizontal load-supporting component of vehicle for ejecting load therefrom
	414/517	...Pusher moved by ram actuated by fluid pressure
2	53/526	(0 OR, 2 XR)
	Class 053 :	PACKAGE MAKING
	53/111R	WITH CONTENTS TREATING
	53/113	.Reshaping
	53/523	..Compacting or stretching
	53/526	...Compressing with or through cover
2	100/125	(0 OR, 2 XR)
	Class 100 :	PRESSES
	100/104	WITH DRAIN MEANS FOR EXPRESSED LIQUID
	100/110	.Drainage through or along pressure surface
	100/125	..Fixed abutment or end wall surface
2	100/145	(0 OR, 2 XR)
	Class 100 :	PRESSES
	100/144	CONCURRENT PRESSING AND CONVEYING
	100/145	.Helix-type compressor

10782299\_CLSTITLES.txt

- 2 100/193 (0 OR, 2 XR)  
     Class 100 : PRESSES  
     100/193 PLURAL PRESSES
- 2 100/226 (0 OR, 2 XR)  
     Class 100 : PRESSES  
     100/214 RECIPROCATING PRESS CONSTRUCTION  
     100/226 .With transversely displaceable piston or  
                  movable platen
- 2 100/255 (0 OR, 2 XR)  
     Class 100 : PRESSES  
     100/214 RECIPROCATING PRESS CONSTRUCTION  
     100/240 .Box and piston type  
     100/246 ..Movable or removable box section  
     100/252 ...Separable box frame sections  
     100/255 ....Hinged
- 2 141/390 (0 OR, 2 XR)  
     Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR  
                  RECEIVER COACTING MEANS  
     141/390 INSERTED OR EXTERNAL FORM OR PROTECTOR
- 2 172/554 (0 OR, 2 XR)  
     Class 172 : EARTH WORKING  
     172/518 ROLLING, ROTATING OR ORBITALLY MOVING TOOL  
     172/540 .Tool has circumferentially spaced teeth,  
                  tines, blades or the like  
     172/554 ..Drum with axially spaced teeth or blades
- 2 201/40 (0 OR, 2 XR)  
     Class 201 : DISTILLATION: PROCESSES, THERMOLYTIC  
     201/40 ARRANGING THE CARBONACEOUS MATERIAL IN THE  
                  CARBONIZING ZONE
- 2 202/117 (0 OR, 2 XR)  
     Class 202 : DISTILLATION: APPARATUS  
     202/81 APPARATUS  
     202/82 .Systems  
     202/96 ..Thermolytic  
     202/105 ...Retort  
     202/117 ....Conveying
- 2 202/248 (0 OR, 2 XR)  
     Class 202 : DISTILLATION: APPARATUS  
     202/81 APPARATUS  
     202/239 .Elements  
     202/242 ..Closures  
     202/247 ...Horizontal retort  
     202/248 ....Coke-oven type
- 2 202/262 (2 OR, 0 XR)  
     Class 202 : DISTILLATION: APPARATUS  
     202/81 APPARATUS  
     202/239 .Elements  
     202/262 ..Feeding and discharging
- 2 202/270 (0 OR, 2 XR)  
     Class 202 : DISTILLATION: APPARATUS  
     202/81 APPARATUS  
     202/270 .Accessories and details

10782299\_CLSTITLES.txt

- 2 301/44.1 (0 OR, 2 XR)
  - Class 301 : LAND VEHICLES: WHEELS AND AXLES
  - 301/5.1 WHEEL
  - 301/41.1 .Traction increasing
  - 301/43 ..Projecting cleat
  - 301/44.1 ...Removably attached
- 2 404/101 (0 OR, 2 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/101 .Material distribution means
- 2 404/113 (1 OR, 1 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/113 .Means to agitate material
- 2 404/117 (1 OR, 1 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/113 .Means to agitate material
  - 404/117 ..Compacting roller with vibrating means
- 2 404/133.1 (2 OR, 0 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/133.05 .Tamper
  - 404/133.1 ..Manually guided
- 2 404/133.2 (0 OR, 2 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/133.05 .Tamper
  - 404/133.2 ..Attached to a disparate device
- 2 404/75 (1 OR, 1 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/72 PROCESS
  - 404/75 .In situ treatment of earth or roadway
- 2 404/84.1 (2 OR, 0 XR)
  - Class 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
  - 404/83 APPARATUS
  - 404/84.05 .Automatic control
  - 404/84.1 ..Of material leveling means
- 2 414/512 (0 OR, 2 XR)
  - Class 414 : MATERIAL OR ARTICLE HANDLING
  - 414/467 SELF-LOADING OR UNLOADING VEHICLES
  - 414/507 .Conveyor
  - 414/509 ..Comprising load-engaging element reciprocally  
movable parallel to generally horizontal load-supporting  
component of vehicle for ejecting load therefrom
  - 414/512 ...Plural pushers on same vehicle

ability 6  
 above 6  
 abstract 1  
 accelerometers 1  
 acceptable 1  
 accepted 1  
 accomplished 1  
 according 7  
 acctlracy 1  
 acctlrare 2  
 accumulated 2  
 accuracy 3  
 accurate 5  
 achieved 2  
 achieving 1  
 acmal 3  
 actual 10  
 actually 5  
 adding 1  
 addition 12  
 adequately 3  
 adjacent 3  
 adjustment 1  
 advantageously 1  
 advantages 1  
 adverse 1  
 affective 1  
 after 6  
 again 1  
 against 1  
 al 4  
 algorithm 19  
 algorithmts 1  
 all 3  
 allow 2  
 allows 2  
 also 16  
 alternatively 1  
 alternative 7  
 alternatives 1  
 although 9  
 always 1  
 ambient 1  
 among 3  
 amount 3  
 an 43  
 and 142  
 angular 1  
 another 16  
 anotherjurisdiction 1  
 any 8  
 apart 2  
 apparatus 1  
 appended 1  
 applicability 2  
 applicable 1  
 application 5  
 applications 2  
 applied 1  
 apply 1  
 appreciate 15  
 approach 3  
 approved 1

are 17  
area 13  
arg 1  
arrive 3  
art 20  
as 76  
ascertain 2  
aspect 10  
aspects 1  
asped 1  
asphalt 2  
asslzred 1  
assmance 1  
associated 9  
asstlrance 10  
assttrance 2  
asstzrance 3  
assumnce 1  
assumption 1  
assumptions 2  
assurance 43  
assurantee 1  
assuring 1  
asymptotic 1  
asymptotically 3  
at 25  
ategy 1  
atld 1  
attached 3  
attained 1  
authority 1  
availability 2  
available 2  
average 1  
avoid 2  
away 1  
background 1  
base 125  
based 17  
basis 1  
be 97  
bearing 1  
bearings 1  
becomes 2  
beds 2  
been 10  
before 3  
begins 1  
behind 1  
being 8  
below 4  
bench 1  
benefit 2  
benefits 1  
benetk 1  
better 4  
between 26  
board 4  
both 10  
box 3  
brief 1  
but 11  
by 47

calculate 2  
 calculating 2  
 calculations 1  
 called 1  
 can 56  
 capacity 1  
 carried 2  
 case 6  
 cases 1  
 causationally 1  
 caused 1  
 ce 2  
 central 1  
 certain 5  
 certified 1  
 change 1  
 changing 1  
 characterized 2  
 chassis 5  
 check 2  
 checks 1  
 choices 1  
 chosen 1  
 claims 1  
 clearance 10  
 closely 1  
 co 4  
 colors 1  
 combine 1  
 combining 4  
 come 1  
 comes 1  
 command 1  
 common 3  
 commonly 3  
 compaction 1  
 compact 5  
 compacted 31  
 compacting 17  
 compaction 160  
 compactive 14  
 compactor 92  
 compador 1  
 compares 1  
 comparing 1  
 comparison 1  
 comparisons 1  
 complete 4  
 completed 4  
 completely 2  
 completes 1  
 completion 4  
 complexity 1  
 computer 3  
 conclusions 1  
 conditions 3  
 confidence 2  
 confinn 1  
 conkol 1  
 consideration 1  
 considered 2  
 consist 1  
 conskuction 1

constlmed 1  
 constmction 1  
 construction 19  
 constructions 1  
 consumed 1  
 consumption 1  
 contact 6  
 contemplated 1  
 contemplates 5  
 content 2  
 context 1  
 continue 1  
 continuously 6  
 contractor 1  
 control 37  
 controlling 1  
 converted 1  
 converter 3  
 coordinate 1  
 corcoran 1  
 correct 2  
 correlation 1  
 correlations 1  
 corresponding 1  
 corresponds 1  
 cost 2  
 costly 3  
 costs 6  
 could 26  
 coupled 1  
 covedng 1  
 covering 1  
 criteria 1  
 critical 1  
 current 5  
 currently 2  
 curved 2  
 da 1  
 damage 1  
 dashed 1  
 data 90  
 dead 1  
 decrease 6  
 deemed 1  
 defined 3  
 defonnation 1  
 defonuation 2  
 deform 1  
 deformation 16  
 delay 2  
 delayed 1  
 delays 3  
 delivered 9  
 dens 1  
 density 17  
 department 1  
 dependent 2  
 depending 3  
 depth 14  
 described 2  
 describes 1  
 description 4  
 desired 3

destructive 2  
 detailed 2  
 detennination 1  
 detennined 1  
 detennining 1  
 determination 12  
 determine 14  
 determined 15  
 determiner 6  
 determines 1  
 determining 19  
 detlection 2  
 device 5  
 devices 4  
 devised 1  
 diagrammatic 1  
 diagrn 1  
 diagrm 1  
 difference 5  
 different 5  
 differential 3  
 dimensional 1  
 direct 9  
 directed 1  
 disadvantages 1  
 disclosure 2  
 discussed 2  
 display 3  
 displayed 3  
 displaying 1  
 displays 1  
 distance 9  
 divided 2  
 dming 1  
 dnms 1  
 do 1  
 document 1  
 documented 1  
 does 4  
 done 3  
 down 1  
 downtime 2  
 drawback 2  
 drawbacks 1  
 drawings 2  
 draws 1  
 drive 1  
 dtlring 2  
 due 5  
 during 1  
 dust 1  
 dynamic 2  
 dynnmic 2  
 each 10  
 earlier 1  
 earth 2  
 earthen 8  
 earthworks 1  
 easily 1  
 ed 1  
 effective 32  
 efficiently 2  
 efforts 1



either 5  
electronic 1  
electronically 1  
elevation 4  
elevational 1  
eliminated 2  
eliminates 1  
elsewhere 1  
embodiment 2  
emhwork 1  
empirical 1  
employed 1  
employee 2  
enable 1  
encompasses 1  
encountered 1  
energy 30  
engineering 1  
entire 7  
entirely 1  
environment 1  
equal 1  
equation 2  
equations 1  
equivalent 1  
error 2  
errors 1  
es 1  
estimate 1  
estimating 1  
et 1  
etc 2  
even 8  
ever 1  
every 1  
evolve 2  
example 1  
exhibiting 1  
exist 1  
exnmples 1  
expect 1  
expected 2  
expense 2  
expensive 1  
experience 2  
extensive 2  
extremely 1  
fact 1  
factoring 1  
factors 3  
failing 1  
faillzre 1  
faillzres 1  
failtlre 1  
failtlres 2  
failttrets 1  
failure 4  
feel 1  
field 2  
fig 2  
figlzre 5  
figtlre 2  
figtzre 3

figure 8  
figures 1  
final 1  
finally 3  
find 1  
finds 4  
firm 1  
firmness 1  
first 1  
flow 1  
fonnat 1  
for 65  
form 1  
format 1  
forms 3  
forth 1  
forward 1  
foundations 2  
four 1  
fra 1  
fraction 2  
from 18  
fuel 1  
fully 1  
function 2  
functional 1  
further 8  
future 1  
gage 3  
gain 1  
gained 3  
garnered 2  
gathered 1  
gathering 1  
gears 1  
generally 1  
generate 1  
generated 2  
generates 1  
generating 3  
geotechnician 1  
geotechnician 1  
given 2  
global 2  
go 2  
goes 2  
gps 4  
graph 2  
graphical 1  
graphically 1  
gray 1  
greater 4  
grid 1  
groimd 1  
grotmd 7  
ground 15  
grow 1  
hard 3  
harder 1  
has 12  
haste 1  
hasten 1  
have 5

having 2  
heavily 1  
heavy 4  
height 1  
hence 1  
higher 1  
homogenous 1  
hostile 1  
how 5  
however 5  
hub 1  
hundreds 1  
hydraulic 3  
identical 1  
identifying 1  
if 7  
il 1  
illustrated 3  
illustrative 1  
implemented 1  
improve 4  
in 146  
inaccurate 1  
inadequate 1  
inch 1  
inches 1  
inclinometer 1  
include 6  
includes 13  
including 4  
increase 3  
increases 3  
indicate 1  
indicates 1  
indicating 1  
indication 2  
indicative 9  
indirect 1  
industrial 1  
industry 1  
inefticiencies 1  
infonation 1  
information 5  
infrared 1  
ing 1  
initially 1  
initiated 2  
input 4  
inputs 3  
insight 1  
insightfully 2  
inspector 1  
inspectors 1  
instance 11  
instances 5  
instnnce 1  
integer 1  
intemction 1  
intended 2  
interacting 1  
interaction 33  
interadion 1  
internal 1

into 10  
 invention 55  
 involved 1  
 involves 1  
 iowa 1  
 irregular 2  
 is 123  
 it 16  
 its 4  
 itself 1  
 ity 1  
 jurisdiction 1  
 job 3  
 jurisdiction 3  
 jurisdictions 1  
 known 13  
 lack 1  
 landfill 5  
 landtill 1  
 large 1  
 laser 1  
 lasers 1  
 layer 2  
 lead 1  
 leads 1  
 least 9  
 less 8  
 level 8  
 lf 1  
 li 1  
 license 1  
 lift 4  
 lifted 1  
 like 3  
 likely 3  
 limit 1  
 limited 3  
 line 4  
 liners 1  
 linked 1  
 lj 1  
 ln 19  
 load 2  
 loads 2  
 located 1  
 location 9  
 locations 4  
 long 1  
 loss 1  
 lt 1  
 ltnown 1  
 machine 13  
 machines 1  
 made 3  
 major 1  
 makes 1  
 managers 1  
 maneuver 1  
 manner 2  
 manual 1  
 many 1  
 map 1  
 mapped 2

mark 1  
maternal 1  
material 136  
materials 4  
maximum 1  
may 14  
mction 1  
mean 1  
means 8  
measlzring 1  
meastlre 5  
meastlrement 1  
meastlring 1  
meastzre 2  
meastzred 1  
meastzrement 1  
meastzrements 1  
meastzring 2  
measurably 1  
measure 7  
measured 5  
measurement 10  
measurements 4  
measures 2  
measuring 5  
meet 5  
memstlre 1  
merely 1  
merged 2  
merging 1  
method 5  
methods 1  
might 6  
mlmber 2  
mnnner 2  
moisture 1  
monitor 3  
monitored 2  
monitoring 8  
monitors 1  
more 18  
most 11  
move 1  
moves 10  
moving 8  
much 3  
mud 1  
must 6  
nature 4  
necessarily 4  
necessary 1  
necessazy 1  
need 6  
needed 2  
nevertheless 6  
next 4  
nming 1  
nmotmt 2  
nmount 1  
nmways 1  
nnmely 1  
no 5  
non 3

none 1  
normally 1  
not 18  
noted 1  
nothing 1  
now 1  
nown 1  
ntlmbcr 1  
nuclear 3  
number 12  
nzt 1  
nzts 1  
objects 1  
observation 1  
observations 1  
observed 1  
obtained 1  
occtlr 1  
occtzr 1  
occur 2  
occurred 1  
occurrences 1  
occurring 1  
occurs 2  
of 258  
off 2  
often 5  
om 1  
on 32  
onboard 1  
one 22  
only 8  
operably 1  
operate 1  
operation 1  
operations 1  
operator 12  
operators 1  
opinion 1  
opposite 1  
or 49  
order 9  
orjurisdictions 1  
other 17  
others 1  
ouality 2  
ouantifung 1  
ouantifying 1  
ouf 1  
out 13  
output 2  
outputted 1  
over 26  
overall 1  
overcoming 1  
own 1  
owned 4  
page 22  
pair 1  
pal 1  
panel 1  
parallel 1  
part 3

particular 4  
 particularly 3  
 pass 12  
 passed 1  
 passes 7  
 past 1  
 patent 8  
 pavement 9  
 pavements 1  
 paver 1  
 penetration 1  
 penetrometer 3  
 per 4  
 perform 2  
 performance 2  
 performed 11  
 performing 2  
 period 1  
 periodically 1  
 permeability 1  
 person 1  
 phenomena 1  
 phenomenon 1  
 pi 2  
 place 1  
 plane 1  
 pmses 1  
 portion 3  
 position 10  
 positioning 2  
 possibly 4  
 post 6  
 potential 5  
 potentially 1  
 power 4  
 powered 4  
 practice 2  
 practiced 2  
 pre 1  
 predetermined 6  
 predicting 1  
 predictions 1  
 predictor 1  
 preferably 12  
 preferences 1  
 preferred 5  
 prescribed 8  
 present 47  
 pressure 3  
 presumably 1  
 prevent 1  
 previously 1  
 primary 3  
 principals 1  
 prior 3  
 probability 1  
 probably 2  
 problematic 1  
 proceed 5  
 process 14  
 processes 3  
 processing 5  
 processor 1

produce 3  
 produced 1  
 produces 1  
 product 3  
 progressing 1  
 progrnmmed 1  
 project 5  
 promise 1  
 prone 1  
 proof 11  
 propelled 2  
 propelling 5  
 properly 1  
 proven 1  
 provide 3  
 provides 3  
 purposes 2  
 qualify 2  
 qualitative 1  
 quality 102  
 quanti 1  
 quantification 2  
 quantified 2  
 quantifies 1  
 quantify 3  
 quantifying 5  
 quantitative 2  
 quantitication 1  
 quantitkation 1  
 quantity 2  
 quickly 1  
 radar 2  
 radius 41  
 rarely 1  
 rate 7  
 rates 1  
 rather 1  
 ratio 2  
 re 5  
 reached 1  
 reaches 1  
 reading 1  
 real 5  
 realistic 2  
 reasons 3  
 recalling 1  
 receive 1  
 receiver 2  
 recent 1  
 reckoning 1  
 recognize 6  
 recognizes 10  
 recorded 2  
 reduce 2  
 reduced 2  
 reducing 2  
 reduction 1  
 refening 2  
 reference 3  
 referencing 1  
 referring 3  
 regard 3  
 regarding 2



region 2  
 related 4  
 relates 3  
 relating 1  
 relation 2  
 relationship 2  
 relationships 1  
 relative 3  
 relatively 2  
 reliability 1  
 reliance 2  
 rely 1  
 remain 1  
 repair 1  
 replacing 1  
 representing 1  
 represents 1  
 require 4  
 required 5  
 requirement 3  
 requirements 6  
 requires 4  
 requiring 1  
 requisite 1  
 resistance 5  
 respect 1  
 respective 1  
 respectively 2  
 response 6  
 resting 1  
 result 13  
 results 3  
 reflecting 1  
 reveal 3  
 revolution 2  
 rework 2  
 richness 1  
 right 1  
 rigidly 1  
 road 3  
 robust 1  
 robustness 1  
 roller 47  
 rollers 13  
 rolling 21  
 rotatably 2  
 rotation 4  
 rotational 2  
 rotations 1  
 rs 3  
 rtzt 1  
 rut 10  
 ruts 1  
 said 2  
 same 6  
 satellite 1  
 satisfactorily 2  
 satisfy 1  
 scales 1  
 schematic 1  
 schematically 1  
 scope 1  
 second 2

secondary 2  
seeks 1  
self 2  
sense 3  
sensed 1  
sensing 3  
sensor 9  
sensors 16  
sent 1  
separate 1  
set 4  
sets 2  
should 3  
showing 2  
shown 5  
shows 2  
side 3  
sight 1  
signals 1  
signitkant 1  
similar 1  
simple 1  
simpler 1  
since 2  
single 3  
sinkage 28  
site 2  
six 1  
skategy 1  
skill 1  
skilled 20  
slzrface 2  
small 4  
smaller 2  
smooth 9  
smoothing 1  
snme 3  
so 5  
soft 4  
soil 5  
solely 1  
solid 2  
some 16  
sometimes 1  
somewhere 2  
sonic 1  
specifications 3  
specifkations 1  
specitkations 2  
speed 15  
spot 2  
stage 2  
standards 1  
start 2  
state 33  
stated 1  
static 1  
statically 1  
station 1  
status 5  
step 4  
still 6  
stlrface 3

stnzcmre 1  
 storage 1  
 stored 1  
 strategies 4  
 strategy 8  
 strength 2  
 strongly 1  
 structure 5  
 structures 2  
 study 1  
 stuwunding 1  
 subject 2  
 subsequent 1  
 substantial 3  
 substantially 3  
 substimte 1  
 success 1  
 successive 3  
 such 19  
 suffer 1  
 suggests 1  
 suitable 2  
 suitably 1  
 suited 1  
 summary 1  
 support 9  
 supported 2  
 supporting 1  
 supports 1  
 supposedly 2  
 surface 10  
 surfaces 1  
 survey 1  
 symbiotic 1  
 symbiotically 1  
 system 13  
 systems 2  
 take 6  
 taking 1  
 taught 4  
 teaches 2  
 technician 1  
 technique 4  
 techniques 3  
 technology 1  
 teclmical 1  
 teclmique 1  
 teclmiques 1  
 teehniques 1  
 telemetry 1  
 temperatures 2  
 test 38  
 tested 1  
 testing 6  
 tests 2  
 than 18  
 that 75  
 the 602  
 their 3  
 themselves 2  
 then 7  
 there 10  
 thereby 1

therefore 1  
these 11  
thickness 5  
third 2  
this 32  
those 20  
thousands 1  
three 2  
threshold 4  
through 3  
thus 13  
time 13  
tionary 1  
tip 1  
tipped 9  
tips 3  
tllis 1  
tlow 2  
tluid 1  
tlux 1  
tmcompacted 1  
tmder 1  
tmdergoing 1  
tmit 1  
tmtil 1  
tnle 1  
to 186  
today 1  
topography 1  
torque 6  
total 2  
toward 1  
towed 4  
transducers 3  
transfer 3  
transferred 1  
transfonus 1  
transformed 1  
transportation 1  
travel 2  
traveled 1  
traveling 1  
traverse 1  
troxler 1  
truck 3  
true 1  
twalk 1  
two 9  
type 2  
types 1  
typically 4  
ud 1  
under 1  
undergone 1  
underlying 3  
understood 1  
undeteded 1  
unfortunately 1  
unit 3  
unsatisfactory 1  
until 3  
up 1  
upon 19

urn 1  
use 8  
used 15  
useful 1  
uses 2  
using 19  
usually 1  
utilize 3  
utilizes 2  
utilizing 2  
valid 1  
validate 1  
validated 2  
value 9  
values 2  
variability 1  
variable 2  
variety 4  
various 3  
vary 1  
vehicles 1  
velocity 1  
verification 1  
version 1  
versions 1  
very 5  
via 7  
vibration 2  
vibrational 1  
view 3  
views 1  
virtually 1  
visual 1  
volume 1  
wait 1  
waiting 7  
walk 11  
waste 10  
way 2  
ways 5  
weight 4  
weights 1  
well 6  
what 7  
wheel 6  
wheels 1  
when 22  
where 7  
whether 2  
which 11  
while 6  
wide 1  
width 2  
will 45  
wind 1  
with 37  
within 1  
without 5  
withstand 1  
words 6  
work 1  
works 1

10782299\_WDS.txt

would 14  
written 1  
yards 1  
years 1  
yes 1